THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS

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ABSTRACT

The U.S. Army Corps of Engineers (Corps) administers the National Wetland Plant List (NWPL) for the United States (U.S.) and its territories. Responsibility for the NWPL was transferred to the Corps from the U.S. Fish and Wildlife Service (FWS) in 2006. The list was updated in 2012, and the Corps led an interagency effort to revise the list again in 2013. As part of the authorization of the revised NWPL in 2012, new methods were adopted for annual updates to the scientific names, regional distribution, and wetland ratings. This paper presents the third update of the list under Corps administration. The 2012 list contained 7,828 species, and the 2013 update contained 7,937 species. As part of the BONAP (Biota North America Program) database used for the 2013 update, there were 754 reports of species of wetland plants with new range extensions within the 10 Corps wetland regions. Also, BONAP and other users requested that 124 other species be added to the NWPL, which increases the number of species to 8061. These 878 species were evaluated and rated by Regional Panels and by the National Panel representatives from four agencies. The inclusion of these species represent the 2014 update to the NWPL.

BACKGROUND

Since the Corps assumed administrative responsibilities for the NWPL in 2006, the list has gone through an extensive updating process that culminated in its authorization for national use in May 2012 (Federal Register 2012; Lichvar 2012). The development of the 2012 list was a cooperative effort between four federal government agencies: the Corps, the FWS, the U.S. Environmental Protection Agency (EPA), and the Natural Resources Conservation Service (NRCS). The effort was managed by a National Panel consisting of representatives from the four agencies. The 2012 NWPL is the standard reference for wetland indicator status ratings of vascular plants in the United States and territories, and is used for many purposes, including wetland delineation, assessment, mitigation, and habitat restoration. The NWPL is available to all users through a web application (http://wetland plants.usace.army.mil/).

The 2012 update built on the legacy of the FWS's 1988 (Reed 1988), 1993 Region 9 (Northwest) Supplement (Reed, 1993), and draft 1996 wetland plant lists. It updated all taxonomic views and nomenclature in accordance with BONAP and revised wetland ratings (Lichvar and Minkin 2008). Additionally, the 2012 revision included several changes to the management of the NWPL, along with revised definitions of wetland categories, new Corps geographic wetland regions, protocols for challenging wetland ratings, and procedures for annual revisions.

As with previous versions of the wetland plant list, the 2012 NWPL and updates support wetland delineation efforts under Sec. 404 of the Clean Water Act and the Swampbuster provisions of the Farm Bill (as amended), and it is used in the National Wetland Inventory Program. To accomplish this more effectively, the Corps re-aligned the NWPL's geographic regions to correspond to those of federal wetland efforts, including the interagency wetland delineation manual and its regional wetland delineation supplements. The NWPL is now divided using the 10 regional Corps wetland delineation regions for the U.S. and its territories (Wakeley 2002) (Fig. 1). Included within four of these Corps regions are 17 subregions in which small numbers of wetland plants have wetland ratings that differ from the ratings for the same plants in the rest of the region.



Figure 1. Geographic regions for the 2012 NWPL, based on Corps regions.

The five wetland rating categories in the NWPL were developed in the 1980s by Reed (1988). Each plant species was assigned a rating representing the estimated probability, or frequency, with which it was thought to occur in wetlands, as opposed to non-wetlands, across its entire range. The 1988 ratings were divided into categories based on quantitative ranges of frequency, but the 2012 ratings were based on simpler qualitative definitions (Lichvar et al. 2012) (Table 1). Indicator status ratings are now assigned to each species based on a review of the botanical literature and herbarium records, along with the best professional judgment of national and regional experts. Longer quantitative rating definitions are still used, but only for field testing of wetland ratings.

Table 1. Short qualitative descriptions of the five wetland indicator status ratings used to determine if vegetation is hydrophytic during wetland delineations in the United States.

Indicator status	Designation	Qualitative Description
Obligate (OBL)	Hydrophyte	Almost always occur in wetlands
Facultative Wetland	Hydrophyte	Usually occur in wetlands, but may occur in non-
Facultative (FAC)	Hydrophyte	Occur in wetlands and non-wetlands
Facultative Upland	Nonhydrophyte	Usually occur in non-wetlands, but may occur in
Upland (UPL)	Nonhydrophyte	Almost never occur in wetlands

ANNUAL UPDATE PROCESS

As part of the 2012 NWPL update, representatives from each of the four Federal agencies responsible for the NWPL agreed on new protocols and procedures for managing the list. These procedures were described in the 2012 Federal Register announcement for updating the NWPL. Under the NWPL authorization, it is now possible to update and maintain the list annually so that the nomenclature and taxonomy do not become outdated and wetland ratings can be refined as new information becomes available. In particular, the annual NWPL updates will include additions or deletions to the list; modifications to wetland indicator statuses that were revised during the previous year; and updates of the nomenclature, taxonomy, and geographic distribution of species on the NWPL.

The annual update of the list has two steps. First, this and previous updates to the database for nomenclature, taxonomy, and U.S. state/Canadian province and U.S. county-level phytogeography have been made by Dr. John Kartesz of BONAP. Second, input from the public, as well as from federal and state agencies, is used to modify wetland ratings by processes of evaluation that are similar to those used during the 2012 update. These requests may include adding new species to the list.

The annual update is released in three parts: 1) the NWPL web site is updated to reflect any modifications from the previous year, 2) a series of downloadable files for the Corps regions and states is made available via the web site, providing local lists of wetland species and their wetland indicator ratings, and 3) the national list is published and subdivided by Corps regions. This publication represents the third component of the 2014 update.

THE 2014 NWPL UPDATE

The 2012 NWPL contained 7,828, and the 2013 NWPL contained 7,937 wetland plants for the United States and its territories. The 2014 NWPL has increased to 8,061 wetland plants, mainly because of newly suggested additions to the list and geographic range extension reports for species new to a Corps wetland region. The 2014 NWPL update is in the Appendix A.

The 2014 NWPL update list is based on the database we received from BONAP in 2013 and used in generating the 2013 NWPL update. Included in the 2013 BONAP database were 754 species with new geographic range extensions in Corps wetland regions and 123 species proposed for consideration to be added to the NWPL. We postponed evaluating these species until 2014. In addition, the National Panel (NP) requested that *Lonicera japonica* Thunb. occurring in the Atlantic and Gulf Coastal Plain be reevaluated by that Regional Panel (RP).

For the 2014 NWPL update, we evaluated and rated 878 species. The first step in the updating process was to see if any of these species occurred in other Corps regions. If they did and if they were rated in two or more regions with the same wetland rating, we assigned the same wetland rating to the species in the new geographic region. This group then was referred to as the "auto assigned" group. If a species had only one other rating or the ratings varied across the Corps regions, we moved it to the next step. There were 294 species in the auto assigned group. The remaining species were evaluated by a Regional Panel (RP) consisting of one representative from each of the four agencies within the Corps regions where the species occurs. The RP reviewed the literature, interviewed other professional botanists, and used their personal field observations to assign wetland ratings. The RPs, by consensus, assigned ratings to 450 species. Those species for which the RP did not reach consensus were then evaluated and rated by the NP. The NP assigned wetland ratings for 246 species. The culmination of these steps and assigned rating then represent the 2014 efforts to update the NWPL.

ACKNOWLEDGEMENTS

Many people, agencies and organizations are involved in maintaining and improving the accuracy of the NWPL, and they are all thanked for their support and input. The bulk of the effort and thanks goes to the National and Regional Panel members across the country who dedicate significant time and energy responding to requests to evaluate endless lists of wetland plants. Many people in the public sector have made valuable suggestions and input about wetland species. Underlying these efforts is the work of several key people, who are thanked: John Kartesz at BONAP, who keeps the database updated, and Misako Nishino, who maintains the BONAP database; Rick Bates, who manage to keep millions of data points in the right places; and Jennifer Gillrich and Lindsey Lefebvre, who make it all happen. We thank the Wetland Regulatory Assistance Program of the U.S. Army Corps of Engineers for funding these efforts.

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Appendix A. Species evaluated for inclusion in the 2014 NWPL. In the ratings, 2 indicates the auto-assigned group, 3 indicates species evaluated by the National Panel.

Scientific Name	New?	AGCP	¥ M	EMP BB	G _D	=	MΜ	NCNE	WMVC	Ā	ω Φ –	Common Name
Abies procera			3- FACU									Noble Fir
Acalypha poiretii				3-FACU				3- FACU				Poiret's Copperleaf
Acer glabrum				*			3-FAC					Rocky Mountain Maple
Achillea ptarmica		3- FACU	4- FACU	3-FACU	3- FACU		3- FACU		3- FACU	4-FACU	***************************************	Pearl Yarrow
Achyranthes aspera	2 ×			3-UPL					8 8			Devil's-Horsewhip
Aconitum uncinatum		3-FAC					3-FAC	3-FAC				Southern Blue Monkshood
Actaea podocarpa							4-FAC					Mountain Bugbane
Aegilops tauschii								3-UPL				Tausch's Goat Grass
Aeschynomene americana			*	2-FAC								Shyleaf
Agalinis calycina					3				2-0BL			Leoncita False Foxglove
Agalinis flexicaulis	New	3- FACW	## H		35		55				2	Hampton False Foxglove
Agalinis skinneriana		4- FACU		3-FACU	3- FACU		4- FACU					Skinner's False Foxglove
Ageratina altissima									3- FACU			White Snakeroot
Ageratum conyzoides	,		4- FACU	3-FACU		3					*	Tropical Whiteweed
Ageratum houstonianum	<i>i</i> =		2- FACU	2-FACU	2- FACU		50		p			Bluemink
Agoseris X montana	*		2-UPL	***	÷							[aurantiaca X glauca]
Agrimonia parviflora			4-FAC						3- FACW			Harvestlice
Agrostis castellana		2-UPL		2-UPL								Dryland Bent
Agrostis lacuna-vernalis	New		4- FACW									unknown
Aletris farinosa			2-FAC		2-FAC				3			White Colicroot
Alhagi maurorum		2-FAC	8	2-FAC					5			Camelthorn
Alisma plantago-aquatica								2-0BL				European Water-Plantain
Allium bisceptrum					က်							Aspen Onion

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Scientific Name	New	AGCP	₩	ОШ	EMP	ФБ	=	MΜ	NCNE	WMVC	AK	ω □ _	Common Name
Alnus glutinosa						2- FACW						-	European Alder
Alocasia macrorrhizos			3- FACW			3- FACW							Giant Taro
Alternanthera ficoidea		2- FACU				2- FACU							Sanguinaria
Amaranthus acanthochiton		2- FACU											Greenstripe
Amaranthus californicus				·				2- FACW				\$	California Amaranth
Amaranthus crassipes				× .			4		3-FAC			3 3	Spreading Amaranth
Amaranthus obcordatus										2- FACU		3	Trans-Pecos Amaranth
Amaranthus spinosus				*		3				2- FACU			Spiny Amaranth
Ambrosia artemisiifolia				*							4-FACU		Annual Ragweed
Ambrosia trifida				. 8				50			2-FAC	s 8	Great Ragweed
Amelanchier arborea			4- FACU			3							Downy Service-Berry
Amorpha confusa	New	4- FACU											Carolina Indigo-Bush
Ampelaster carolinianus				_	3-FACW								Climbing-Aster
Ampelopsis arborea			4- FACU				2			3-FAC		3	Peppervine
Ampelopsis cordata			2-FAC	8									Heart-Leaf Peppervine
Amphicarpaea bracteata			3- FACW										American Hog-Peanut
Amphitecna latifolia				4 - H K O									Black-Calabash
Anaphalis margaritacea		4-UPL	3- FACU		3-UPL	3- FACU		3- FACU	3- FACU		3-UPL		Pearly-Everlasting
Andropogon bicornis				ž –			2-FAC						Barbas-de-Indio
Andropogon glaucopsis					3-FACW								Coastal Bluestem
Andropogon hirsutior	New	3- FACW			4-FACW	4- FACW			3- FACW			3	unknown
Angelica triquinata		2-UPL		ž - E		3 - 2							Filmy Angelica

Scientific Name	New?	AGCP	AW	О m	EMP	GР	Ŧ	MΜ	NCNE	WMVC	AK	ω □ −	Common Name
Anthenantia rufa						-4- FACU		35					Purple Silkyscale
Anthoxanthum hirtum		3- FACW	3- FACW			3- FACW		3- FACW	3- FACW	3- FACW	3-FACW	20	Northern Sweet Vernal Grass
Antigonon leptopus			2	7	4-FACU	0							Queen's-Jewels
Aplectrum hyemale			2-FAC	*		0	8			2-FAC		ď	Adam-and-Eve
Arabis alpina						0	33	, o		2-FAC		ď	Alpine Eared Rockcress
Arabis eschscholtziana						2- FACU			2- FACU				Pacific-Coast Eared Rockcress
Aristida beyrichiana				90.75	4-UPL								Beyrich's Three-Awn
Aristida spiciformis			3			4-FAC		9.					Bottlebrush Three-Awn
Arivela viscosa				· -					3- FACU				Tickweed
Aronia melanocarpa				÷						3- FACW			Black Chokeberry
Artemisia campestris	New	3-UPL	4-UPL	1 ()	3-UPL	3-UPL		4-UPL	4-UPL	3- FACU	3-UPL		Pacific Wormwood
Artemisia tilesii) = 8			*		2- FACU		\$ 50) 	Tilesius' Wormwood
Asclepias speciosa		2-FAC				33						0)	Showy Milkweed
Asclepias subverticillata		4- FACU										-	Horsetail Milkweed
Asclepias viridula				8	3-FACW			18				0)	Southern Milkweed
Astragalus diphysus	New	3-UPL	3-UPL			4-UPL				3- FACU		0)	Speckle-Pod Milk-Vetch
Athyrium angustum			2-FAC	5		ō.		0.				_	Northern Lady Fern
Atriplex alaskensis				-3						4- FACU		4	Alaska Orache
Atriplex glabriuscula				io x		2- FACU	5						Scotland Orache
Atriplex hortensis		3-FAC		5 - 37									Garden Orache
Atriplex mucronata			4- FACU	*		9		\$9				0	Crested Saltbush
Atriplex stipitata	New		3-UPL	. 8		33							Mallee Saltbush
Axonopus compressus	9			8		53-				3-FAC			Broad-Leaf Carpet Grass
Azolla cristata				*		50		30	2-0BL				Crested Mosquito Fern
Azolla pinnata				3	3-0BL	9	3	,				4	Asian Mosquito Fern
Baccharis glomeruliflora					4-FAC			72				0)	Silverling

Solentific Name	New	AGCP	AW	Om	EMP	GD	Ŧ	ΜM	NCNE	WMVC	AK	ഗ <u>¬</u> −	Common Name
Baccharis neglecta	*		90 - 9		2-FAC			2-FAC				= Versex	Roosevelt-Weed
Bacopa innominata	<i>,</i> —)		8	×	2-0BL	0 2		0 2		5		Tro	Tropical Water-Hyssop
Bambusa bambos	New	3- FACU		×	3-FACU	*				\$		Gia	Giant Thorny Bamboo
Bambusa vulgaris) 3			*	3-FACU							Feč	Feathery Bamboo
Baptisia australis		3- FACU				4-UPL		3- FACU	3- FACU			JIB	Blue Wild Indigo
Barbarea vulgaris				- 3							3-FACU	Ga	Garden Yellow-Rocket
Barkleyanthus salicifolius		2-FAC		- 3		2-FAC						Ba	Barkley's-Ragwort
Bassia hirsuta			95			3		2-0BL				На	Hairy Smotherweed
Betula murrayana								3- FACW				Mu	Murray's Birch
Betula pendula		2- FACU	2- FACU	\$	2-FACU	2- FACU		2- FACU				Eur	European Weeping Birch
Betula X sandbergii			2-0BL							2-0BL		ed]	[papyrifera X pumila]
Bidens aristosa	·									2- FACW		Bei	Bearded Beggarticks
Bidens eatonii		3- FACW			4-FACW							Eat	Eaton's Beggarticks
Bidens laevis)							2-0BL				Sm	Smooth Beggarticks
Bidens mitis						3		2-0BL				Sm	Small-Fruit Beggarticks
Bidens tenuisecta		3- FACW			3-FACW		•					S S	Slim-Lobe Beggarticks
Boechera collinsii				. 3		- 3					3-UPL	nu	unknown
Borrichia frutescens				- 3	3-0BL							Bus	Bushy Seaside-Tansy
Bothriochloa barbinodis				3				4-UPL				Car	Cane Beard Grass
Botrychium lunaria		3-FAC		3	4-FAC	3						CO	Common Moonwort
Botrychium pinnatum				- 3		4-UPL		11				No	Northeastern Moonwort
Brachyelytrum erectum		-4- FACU		4 ' F & O U		PACU		3- FACU	3- FACU			œ œ	Bearded Shorthusk
Braya glabella				3.		4- FACU						Snr	Smooth Northern- Rockcress
Braya humilis				-		4- FACU						Alp	Alpine Northern- Rockcress
Bromus madritensis	÷ —			1200 100 °	3-UPL					5		Col	Compact Brome

Scientific Name	New?	AGCP	¥	Om	EMP	GP	Ŧ	MΜ	NCNE	WMVC	AK	S Common Name
Brugmansia versicolor	New	4-UPL			3-FACU	36 8						Arborescent Angel's- Tears
Bulbostylis funckii						2- FACW		3				Funck's Hair Sedge
Bulbostylis juncoides										2- FACW		Rush Hair Sedge
Bulbostylis stenophylla				~	3-FACU	- 12						Sandy-Field Hair Sedge
Caladium bicolor				**************************************		8	4-FAC)s				Heart-of-Jesus
Calandrinia ciliata		2- FACU										Fringed Redmaids
Callisia repens							2- FACU					Creeping-Inchplant
Callitriche stagnalis				× .		2-0BL		V.	*	*		Pond Water-Starwort
Callitriche stenoptera	New		3-0BL	3 1		3-0BL		3-0BL	9.	3- FACW	3-0BL	Narrow-Wing Water- Starwort
Calluna vulgaris					2-FAC	5 8		\$ 8				Heather
Calydorea coelestina					3-FACW							Enchanting Violet-Lily
Camelina alyssum	- 44		7	*		Ś		2- FACU	- 6	3.		Madwort False Flax
Campanula aparinoides			2-0BL	*		534		53	*	***		Marsh Bellflower
Canna flaccida			3-0BL		3-0BL	3-0BL						Bandanna-of-the- Everglades
Canna glauca				Š	2-0BL	11						Brazilian Arrow-Wood
Canna indica				ĵ	4-FACW	32						Indian-Shot
Cardamine clematitis		3-FAC										Small Mountain Bittercress
Cardamine douglassii				5		4- FACW				3		Limestone Bittercress
Cardamine flexuosa						3- FACW						Woodland Bittercress
Cardamine impatiens		3-FAC						3-FAC	3-FAC			Narrow-Leaf Bittercress
Cardamine nymanii	New			3		8		8			3-FACW	unknown
Cardamine X incisa				- 7	3-FACU	8		. 8				[concatenata X maxima]
Cardiospermum halicacabum			3-FAC									Love-in-a-Puff
Carex arkansana				**					3-FAC			Arkansas Sedge
Carex austrina									2- FACU			Southern Sedge
Carex austrodeflexa	New	<u>ښځ</u>			4-0BL							Canebrake Sedge

Scientific Name	New?	AGCP	ΑM	Om	EMP	G _D	Ŧ	ΜM	NCNE	WMVC	AK	ഗ	Common Name
Carex baileyi		8						4- FACW				•	Bailey's Sedge
Carex bebbii) — ž	2-0BL										\$	Bebb's Sedge
Carex bulbostylis) — 2)			5 37	2-FACW								False Hair Sedge
Carex cherokeensis						2			2- FACW				Cherokee Sedge
Carex corrugata									2- FACW				Prune-Fruit Sedge
Carex divulsa	10		2-FAC					2-FAC		2-FAC		2	Grassland Sedge
Carex egglestonii			3- FACU			4- FACU							Eggleston's Sedge
Carex exsiccata				÷ =		2-0BL							Western Inflated Sedge
Carex extensa					2-0BL								Long-Bract Sedge
Carex fissuricola	*			<u>5</u>		3- FACW							Cleft Sedge
Carex foenea	x = = 3	4- FACU		*								>	Bronze-Head Oval Sedge
Carex frankii) —											7 , 0	Frank's Sedge
		i		8	i							1	1000
carex gynocrates		Z-0BL		- 5	Z-0BL	1							Northern Bog Sedge
Carex laxiflora						4- FACU							Broad Loose-Flower Sedge
Carex lonchocarpa								2-0BL	2-0BL				Southern Long Sedge
Carex luzulifolia				*		2- FACW							Little-Leaf Sedge
Carex luzulina						2-0BL						9	Woodrush Sedge
Carex macrocephala		4-FAC											Big-Head Sedge
Carex mitchelliana								4- FACW					Mitchell's Sedge
Carex nigromarginata				. 3		4-FAC							Black-Edge Sedge
Carex oklahomensis		- 9		- 3		- 3		3	3-0BL			*	Oklahoma Sedge
Carex parryana									3- FACW				Parry's Sedge
Carex radiata		2-FAC				2-FAC		2-FAC		5 -		\$	Eastern Star Sedge
Carex reniformis				5		<i>y.</i>		3-				5	Kidney-Shape Sedge

Scientific Name	New	AGCP	ΑW	O m	EMP	8	=	MΜ	NCNE	WMVC	AK	ഗ <u>_</u> _	Common Name
Carex retroflexa		4- FACU				3- FACU		3- FACU	3- FACU			Reflexed	ed Sedge
Carex rosea		3- FACU	3-FAC			3- FACU		4- FACU	4- FACU	3. FACU		Rosy 5	Sedge
Carex salina	New								4- FACW			Saltma	Saltmarsh Sedge
Carex schweinitzii		2-0BL		*								Schwe	Schweinitz's Sedge
Carex senta						2-0BL						Weste	Western Rough Sedge
Carex squarrosa						3- FACW						Squar	Squarrose Sedge
Carex suberecta			2-0BL	\$ =		2-0BL						Prairie	Prairie Straw Sedge
Carex sylvatica				ži	2-FACU							Europe Sedge	European Woodland Sedge
Carex torta				ž		3- FACW	2					Twiste	Twisted Sedge
Carex triangularis	x — x								3-0BL			Easter	Eastern Fox Sedge
Carex X aestivaliformis	, — ,			-				2-FAC				aestii	[aestivalis X gracillima]
Cartrema americana			2-FAC			2-FAC						Devilwood	poo
Cayaponia quinqueloba	×					2-FAC		2-FAC				Five-L	Five-Lobe-Cucumber
Celastrus orbiculatus			3	***		4-UPL						Asian	Asian Bittersweet
Celtis laevigata	- *			*						3- FACW		Sugar-Berry	Berry
Cenchrus americanus									3- FACU			Pearl-Millet	/illet
Cenchrus ciliaris									3-UPL			Buffel Grass	Grass
Cenchrus polystachios						4- FACU						Mission	n Grass
Centaurea cyanus											4-UPL	Garde	Garden Cornflower
Centaurea jacea		4- FACU	3- FACU		3-FACU	3- FACU		3- FACU		3- FACU		Brown	Brown-Ray Knapweed
Centaurea X moncktonii	New	3-FAC	3 FACU		3-FAC	3- FACU		3- FACU	3- FACU	3-FAC		[jacea	[jacea x nigra]
Centella asiatica										3-FAC		Asiatio	Asiatic Spadeleaf
Centipeda minima		3-FAC	3-FAC	*	4-FACU							Sprea	Spreading-Sneezeweed
Centromadia pungens	- 20			**					3-FAC			Punge	Pungent False Tarplant
Ceratophyllum muricatum	- 25			-		38			2-0BL			Prickly	Prickly Hornwort
Cestrum nocturnum					3-UPL							Night Flow	Night Flowering- Jassamine

Scientific Name	New	AGCP	₩	O m	EMP	9	=	MΜ	NCNE	WMVC	AK	ഗ	Common Name
Chamaecrista fasciculata				*						2. FACU		-	Sleepingplant
Chasmanthium latifolium	, _ ,			*						3-FAC			Indian Wood-Oats
Chasmanthium nitidum	<u> </u>			, ,	3-FACW					8 8			Shiny Wood-Oats
Chelone obliqua	, - ,			÷ ;		2-0BL				5 5			Red Turtlehead
Chenopodium fremontii					3-FACU				3- FACU				Fremont's Goosefoot
Chenopodium macrospermum				. 3	2-FACW								Large-Seed Goosefoot
Chrysosplenium rosendahlii	New			_							3-FACW		Rosendahl's Golden- Saxifrage
Cinnamomum camphora	S. —		3.	-		(i)				3-UPL		8	Camphortree
Cirsium flodmanii	S	3-FAC		50	4-FAC					9		8	Flodman's Thistle
Cirsium horridulum				· =				4- FACU					Yellow Thistle
Cirsium lecontei					3-FACW								Le Conte's Thistle
Cirsium nuttallii			2-FAC	5 -		2-FAC							Nuttall's Thistle
Cirsium palustre				ş				3- FACW					Marsh Thistle
Cirsium wrightii	×>			ž ž		3-0BL				3-0BL			Wright's Thistle
Claytonia multiscapa				× 3						· •	2-FAC		Many-Stem Springbeauty
Claytonia parviflora	- 8			*				50			2-FACU		Streambank Springbeauty
Claytonia perfoliata		4- FACU			4-FACU								Miner's-Lettuce
Clematis crispa			3. FACW					8					Swamp Leather-Flower
Clematis vitalba		4-UPL	3-FAC		4-UPL				3- FACU				Evergreen Traveler's-Joy
Cleomella angustifolia				8	2-FAC					2-FAC			Northern Stinkweed
Clinopodium douglasii			3- FACU	ž							3-FACU		Oregon-Tea
Clitoria ternatea				8	3-FACU							X .	Asian Pigeonwings
Coleataenia Iongifolia	New	4- FACU		× *	3-FACU			4- FACU	3- FACW				Long-Leaf Cut-Throat Grass
Coleataenia stipitata	New	3- FACW			4-FACW	4- FACW		3- FACW	3- FACW			*	Stipitate Cut-Throat Grass
Commelina benghalensis					3-FACU								Jio
Convolvulus equitans								7 5					Texas Bindweed

Scientific Name	New?	AGCP	₩	OШ	EMP	g _D	=	MΜ	NCNE	WMVC	AK	ഗ <u>¬</u> −	Common Name
Coreopsis integrifolia				12 1	4-FACU							-	Fringe-Leaf Tickseed
Corispermum welshii	New	3-UPL	3- FACU	X X		4-UPL		3- FACU	3- FACU	3- FACU		2 5	Welsh's Bugseed
Cortaderia selloana							3. FACU						Selloa Pampus Grass
Corylus avellana			3- FACU					9	3- FACU			2	Common Filbert
Cosmos sulphureus	New	4-UPL	3- FACU	4 ' ⊃ ⊄ -	3-FACU	4-UPL		4-UPL	3- FACU				Sulphur Cosmos
Cotula australis	\$ 2 2) = 8				3-FAC			\$ 50 50 50 50 50	3-FAC				Australian Water-Buttons
Crassocephalum crepidioides			3- FACU										Red-Flower Ragleaf
Crataegus berberifolia					3-FAC	4-FAC		3-FAC	3-FAC				Barberry Hawthorn
Crataegus forbesae	New								3- FACU			2	Forbes' Hawthorn
Crataegus phaenopyrum				- 8		2-FAC							Washington Hawthorn
Crinum americanum				- 8	4-FAC					**			Seven-Sisters
Crotalaria capensis	New		3- FACU										Cape Rattlebox
Ctenium aromaticum									2- FACW				Toothache Grass
Cuphea hyssopifolia		3-FAC		× .				iii				1	False Heather
Cynanchum laeve			2-FAC	· ·		3				3 - 3			Honeyvine
Cyperus aggregatus						3-FAC				> - 4			Inflated-Scale Flat Sedge
Cyperus difformis									2-0BL				Variable Flat Sedge
Cyperus distans					2-0BL					5 8			Mexican Flat Sedge
Cyperus elegans										2- FACW			Royal Flat Sedge
Cyperus eragrostis				3	3-FACW				3- FACW				Tall Flat Sedge
Cyperus involucratus					3-FACW			4- FACW					Alternate-Leaf Flat Sedge

Solentific Name	News	AGCP	AW	ОШ	EMP	В	Ξ	ΜM	NCNE	WMVC	AK	ഗ <u>¬</u>	Common Name
Cyperus meyenianus	38		*							x —		- 4 ' π 4 O ≥ Σ	Meyen's Flat Sedge
Cyperus parishii						2- FACW						Lemin-6	Parish's Flat Sedge
Cyperus prolifer			2	3	3-FACW			iv				Σ	Miniature Flat Sedge
Cyperus serotinus	8		2	3 3		2 2			2-0BL	3 3		H	Tidal-Marsh Flat Sedge
Cyperus surinamensis				,				2- FACW		S 5		Æ	Tropical Flat Sedge
Cyperus tetragonus) = 8				3-FAC	4-FAC		5. 54		6		Œ	Four-Angle Flat Sedge
Dalea albida	New	4-UPL		*	4-UPL			30		*		Э	unknown
Dalea gracilis	New	4-FAC		*		32		50				Z	Needle Prairie-Clover
Daphne mezereum										3- FACU	3-FACU	Δ.	Paradise-Plant
Delphinium glaucescens						2- FACU						ш	Electric Peak Larkspur
Dentella repens	New	3- FACW			3-FACW								Lickstoop
Deschampsia flexuosa		4-UPL				4-UPL		3- FACU	3- FACU	3- FACU	4-UPL	×	Wavy Hair Grass
Descurainia adenophora	New		3. FACU			4- FACU				3- FACU		. 3	unknown
Desmodium barbatum	£ = - 8			: 8			4. FACU			· · · · ·		Ň	Zarzabacoa-Peluda
Diarrhena obovata		4-FAC		8	3-FACU	4-FAC		3-FAC				Ξ	Hairy Beakgrain
Dichanthelium leucothrix		-4- FACW	3- FACW	4 ' T K O }	3-FACW	3- FACW			3- FACW	3- FACW			Rough Rosette Grass
Dichondra carolinensis				· ·				3-FAC	4- FACW	x = x		O	Carolina Pony's-Foot
Dichondra micrantha	2 &				3-FAC	\$ \$		30		3 6		Ä	Asian Pony's-Foot
Digitaria bicornis				3				3- FACU				4	Asian Crab Grass
Digitaria horizontalis				0	3-FACU	78		78				J.	Jamaican Crab Grass

Scientific Name	New	AGCP	AW	0 m	EMP	GР	Ξ	MΜ	NCNE	WMVC	AK	S Common Name	ame ame
Digitaria violascens								3-FAC				Violet Crab Grass	
Diodia virginiana		,	3- FACW							3- FACW		Virginia Buttonweed	ped
Diphasiastrum alpinum			3-FAC	5		9-RST		8		6 - 3		Alpine Creeping-Cedar	Sedar
Diplacus aurantiacus	New		3- FACU					(3)		3- FACU		Orange Bush-Monkey Flower	nkey-
Dipsacus laciniatus		3- FACU	3- FACU		3-FACU	4-UPL						Cut-Leaf Tease	
Ditrysinia fruticosa			53			4-FAC		- 18				Gulf Sebastian-Bush	ush
Doellingeria sericocarpoides									2- FACW			Southern White-Top	do
Downingia pulcherrima	New		4- FACW	A.						3- FACW		unknown	
Draba stenoloba				}		4-UPL	\$					Alaska Whitlow-Grass	rass
Dracopis amplexicaulis										3-FAC		Clasping-Coneflower	wer
Drosera intermedia			2-0BL							2-0BL		Spoon-Leaf Sundew	lew
Drosera X californica	New	3-0BL										[filiformis X tracyi]	-
Drosera X hybrida		2-0BL										[filiformis X intermedia]	nedia]
Dryas ajanensis						4-UPL		8				Eight-Petal Mountain- Avens	tain-
Dryas integrifolia				*		2- FACU			2- FACU			White Mountain-Avens	Avens
Drymocallis cuneifolia	New		4-FAC	8.		0,5	3					Wedge-Leaf Woodbeauty	dbeaut
Drymocallis micropetala	- 2			3		2-FAC		0,0				Little-Petal Woodbeauty	beauty
Dryopteris X correllii	New	4- FACW			4-FACW	33		30	3- FACW			[carthusiana X goldiana]	oldiana
Dryopteris X mickelii		2-FAC		8		33	Î	2-FAC				[clintoniana X go	goldiana]
Dysphania aristata	New								3- FACU		3-UPL	Aristata Wormseed	eq
Echinochloa crus-pavonis	2			5 =	4-FACW		K.					Gulf Cock's-Spur Grass	Grass
Echinochloa esculenta				<u>5</u> 7		<u> </u>			3- FACU			Japanese Water Grass	Grass
Echinochloa holciformis	New		3- FACW	*								Decorative-Millet	
Echinochloa walteri				*		3		3	8	3- FACW		Long-Awn Cock's-Spur Grass	Spur
Eleocharis albida				. 3			3			2-0BL		White Spike-Rush	_
Eleocharis diandra				0	3-FACW	76		7.6				Wright's Spike-Rush	ush

Scientific Name	New?	AGCP	AW	Om	EMP	G	₹	MΜ	NCNE	WMVC	AK	თ <u>_</u> _	S Common Name
Eleocharis geniculata				38 3	3-FACW					35 3		-	Capitate Spike-Rush
Eleocharis mamillata			2-0BL			2-0BL		2-0BL		2-0BL			Soft-Stem Spike-Rush
Eleocharis suksdorfiana						2-0BL		5 2					Suksdorf's Spike-Rush
Elionurus tripsacoides					4-FACW								Pan-American Balsamscale
Elodea callitrichoides	New		3-0BL	* **						3-0BL			South American Waterweed
Elodea schweinitzii		2-0BL				3							Schweinitz's Waterweed
Elymus hystrix										3- FACU			Eastern Bottle-Brush Grass
Elymus villosus			2- FACU	\$ <u> </u>						13		53	Hairy Wild Rye
Elymus wiegandii		2-FAC		5									Wiegand's Wild Rye
Emilia sonchifolia								3-UPL					Lilac Tassel-Flower
Epilobium anagallidifolium					4-FAC								Pimpernel Willowherb
Epilobium minutum				, ,		2- FACU							Chaparral Willowherb
Epilobium parviflorum	*			*			*	3- FACW	3- FACW	\$			Small-Flower Hairy Willowherb
Equisetum myriochaetum	New		3-0BL	5 30									Mexican Giant Horsetail
Equisetum X litorale						2-0BL			8				[arvense X fluviatile]
Equisetum X mackaii			4- FACW			3				3- FACW			[hyemale X variegatum]
Equisetum X nelsonii		4- FACW											[laevigatum X variegatum]
Eragrostis amabilis			3-FAC			13		8					Feather Love Grass
Eragrostis atrovirens					3-FAC	32							Thalia Love Grass
Eragrostis bahiensis					3-FAC				3-FAC				Bahia Love Grass
Eragrostis ciliaris			3- FACU	÷ =					3- FACU	3- FACU			Gopher-Tail Love Grass
Eragrostis lugens								3-FAC					Mourning Love Grass
Eragrostis refracta				*		3			2- FACW				Meadow Love Grass
Eragrostis unioloides					3-FAC	3 30				3			Chinese Love Grass
Eremochloa ciliaris	New		3- FACU										Fringed Centipede Grass
Erigeron bellioides	3	FACIL											Bellorita

Scientific Name	New	AGCP	AW	0 m	EMP	GБ	=	MΜ	NCNE	WMVC	ΑK	ග	Common Name
Eriobotrya japonica						4-UPL				35 3		Loquat	0.000
Eriocaulon aquaticum				*		2-0BL				> **		Seven-	Seven-Angle Pipewort
Eriocaulon benthamii	New	3- FACW		*						÷		Bentha	Bentham's Pipewort
Eriocaulon ravenelii					3-0BL							Ravene	Ravenel's Pipewort
Eriochloa punctata				****	2-FACW							Louisia	Louisiana Cup Grass
Eryngium foetidum	***			*	3-FAC				8			Spiritweed	eed
Eryngium hookeri					2-FACW			33	20			Hooke	Hooker's Eryngo
Eulophia graminea		4- FACU										Grass-	Grass-Leaf Wild Coco
Euonymus atropurpureus								2		3-FAC		Easter	Eastern Wahoo
Eupatorium leptophyllum				- 8	3-FACW							False Fennel	ennel
Eupatorium novae-angliae	New								3- FACW			New England Thoroughwor	New England Thoroughwort
Eupatorium X cordigerum		3-FAC		s <u> </u>								[perfol rotund	[perfoliatum X rotundifolium]
Euphorbia hirta										3-UPL		Pill-Poc	Pill-Pod Sandmat
Euphorbia hypericifolia				*		v v	2			3. FACU		Gracef	Graceful Sandmat
Euphrasia stricta	New			*					3- FACU			Drug E	Drug Eyebright
Eurybia sibirica	*			* *		4-FAC						Siberia	Siberian Wood-Aster
Eustachys petraea									3- FACU			Pinewo	Pinewoods Finger Grass
Fallopia dumetorum			4- FACU					8				Corpse	Corpse Black-Bindweed
Festuca aloha	New						4-UPL					Aloha	Aloha Fescue
Festuca molokaiensis	New						4-UPL					Moloka	Molokai Fescue
Filipendula ulmaria		4-FAC			3-FACW	4-FAC			4-FAC	3-FAC		Queen	Queen-of-the-Meadow
Fimbristylis annua				*					3- FACW	5		Annua	Annual Fimbry
Fimbristylis dichotoma							2	4- FACW				Forked	Forked Fimbry
Flaveria campestris		4-FAC								> **		Alkali	Alkali Yellowtops
Flaveria trinervia				*				3-FAC		> **		Cluster	Clustered Yellowtops
Fragaria chiloensis		بر <u>د</u>	اران ا			φ <u>ξ</u>	4 2		မှ မ		3-FACU	Beach	Beach Strawberry

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Scientific Name	New?	AGCP	AW	Om	EMP	6	Ξ	ΜM	NCNE	WMVC	AK	S Common Name
Galium circaezans			3- FACU							3- FACU		Licorice Bedstraw
Galium mollugo) = 3	4- FACU	3- FACU					3- FACU	3- FACU	3- FACU		White Bedstraw
Galium palustre		2-0BL										Common Marsh Bedstraw
Gamochaeta pensylvanica									3- FACU			Pennsylvania Everlasting
Gaultheria ovatifolia	8 =		-	s =		2-FAC		0				Western Teaberry
Gelsemium rankinii		3		3.	4-FAC					3		Rankin's Trumpet-Flower
Gentianella wrightii						4- FACW				3-FAC		Wright's Dwarf-Gentian
Geranium robertianum	<u> </u>	4- FACU	3- FACU	ş	3-FACU	Q 2		4- FACU	3- FACU	3	4-FACU	Lesser Herbrobert
Gibasis geniculata	<i>.</i>		2	2 3		3-FAC		8 8		5 3		Tahitian Bridalveil
Gleditsia aquatica	<u>x</u> — 3	× ×	2 - 5				0		2-0BL			Water-Locust
Glinus radiatus) —			*				2- FACW		£		Spreading Sweetjuice
Glyceria declinata					3-FACW	30						Waxy Manna Grass
Glyceria fluitans		2-0BL		***								Water Manna Grass
Glyceria laxa	8	4-0BL		- 8		30	Ĭ	50	3-0BL	*		Limp Manna Grass
Glyceria septentrionalis						50	2-0BL					Floating Manna Grass
Grevillea robusta			3-UPL	- 2								Silk-Oak
Grindelia camporum		4- FACU		3	4-FACU							Great Valley Gumweed
Grindelia stricta			53			2.		2			2-FACW	Oregon Gumweed
Gynandropsis gynandra									3- FACU			Spiderwisp
Habenaria quinqueseta			2- FACW	5— ·		2- FACW						Long-Horn False Rein Orchid
Hackelochloa granularis			¥	* *	4-FACU			3- FACU		ž ž		Pit-Scale Grass
Hedera helix) = 8	3- FACU	3- FACU	5 8	3-FACU	4-UPL	3-UPL	4-UPL	3- FACU			English Ivy
Hedychium coronarium	÷			*	4-FAC			2 3				White Ginger-Lily
Hedychium flavescens		200	3-FAC	*		3,0		34		3-FAC		Cream Ginger-Lily
Hedysarum alpinum				- 8		3		3-FAC				Alpine Sweet-Vetch
Helenium amarum										2- FACU		Yellowdicks

Solentific Name	New	AGCP	ΑM	Om	EMP	GБ	=	ΜM	NCNE	WMVC	AK	S Common Name P
Helenium microcephalum			2		2-FACW	28. 2		36 3		35 9		Small-Head Sneezeweed
Helenium vernale					3-FACW	3		8 2		y 9		Savannah Sneezeweed
Helianthus floridanus	<i>5</i>				3-FACW	3 2		8 2		3		Florida Sunflower
Helianthus heterophyllus	\$ X		2-0BL			2-0BL		8 8		5 6		Variable-Leaf Sunflower
Helianthus microcephalus				\$		4-UPL		3				Small Woodland Sunflower
Helianthus nuttallii		2- FACW			2-FACW							Nuttall's Sunflower
Helianthus strumosus		4-UPL				3- FACU		3- FACU	3- FACU			Pale-Leaf Woodland Sunflower
Helosciadium nodiflorum			G.	& & =	2-0BL	0			2-0BL			Fool's-Watercress
Heracleum mantegazzianum		2-FAC		<u> </u>	2-FAC	9.		8		2-FAC		Giant Hogweed
Hexastylis sorriei	New	4- FACW			3-FACW	2	2					Sandhills Heartleaf
Hieracium greenii		2- FACU										Green's Hawkweed
Hippuris lanceolata	New		2 3			5		8 3		5 8	3-0BL	Panarctic Mare's-Tail
Hordeum depressum		2- FACW	>			-5				5		Dwarf Barley
Houstonia caerulea			90 0			3- FACU		9K S		*		Quaker-Ladies
Houttuynia cordata	. — &			*		2-FAC				*		Chameleon
Hydrilla verticillata				BO , 5				2-0BL		x		Water-Thyme
Hydrocharis morsus-ranae		2-0BL	8		2-0BL	25		48				Common Frogbit
Hymenocallis crassifolia			sp		3-0BL			38 2				Coastal Carolina Spider- Lily
Hyparrhenia rufa						4- FACU						Jaragua
Hypericum canadense						2- FACW						Lesser Canadian St. John's-Wort
Hypericum erythraeae	New	4-0BL						×				Georgia St. John's-Wort
Hypericum nudiflorum								2- FACW				Early St. John's-Wort
Hypericum virgatum	S	4-FAC				20	2	4-FAC				Sharp-Leaf St. John's- Wort

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Hypericum walteri				10 1				38. 3	2-0BL			-	Greater St. John's-Wort
Hypoxis curtissii	x —					2- FACW				> <		Curtise	Curtiss' Yellow Star- Grass
Hypoxis juncea				3	3-FACW							Fringe	Fringed Yellow Star- Grass
llex aquifolium		4- FACU	3. FACU				4- FACU		3- FACU			Eng	English Holly
llex montana		4-FAC							3- FACU			Mor	Mountain Holly
Illicium parviflorum				\$5 T	4-FACW	0		Ø		3		Yell	Yellow Anisetree
Impatiens aurella				ži		2- FACW						Pale Not	Pale-Yellow Touch-Me- Not
Impatiens balsamina				*		4-UPL				*		Gar	Garden-Balsam
Imperata cylindrica	3			» ·		3- FACU			3	3- FACU		Cog	Cogon Grass
Indigofera suffruticosa	x — x			X X	4-UPL	5 6		8 8				Anil	Anil-de-Pasto
Ipomoea alba) - 8					\$ 5	•	3-FAC				Tropic	Tropical White Morning- Glory
Ipomoea cairica	= **									3- FACU		Mile	Mile-a-Minute-Vine
Ipomoea hederifolia				- 3	3-FAC			32				Sca	Scarlet-Creeper
Ipomoea indica					4-FAC					3-FAC		Ocear	Ocean-Blue Morning- Glory
Ipomoea quamoclit	Ç.			·		2				3. FACU		Cyp	Cypress-Vine
Ipomoea violacea			3-FAC	6 1		3-FAC						Hea	Heavenly-Blue Morning- Glory
Iresine diffusa			3-FAC					8		ş ş		Jub	Juba's-Bush
Iris fulva	×			÷ ;				8 2	2-0BL			Cop	Copper Iris
Iris giganticaerulea	x — ;		3-0BL	× ×		3-0BL		8		> - ?		Giar	Giant Blue Iris
Iris X nelsonii	New	3-0BL										[bre	[brevicaulis X fulva X hexagona]
Isoetes flettii	. — «							5		3-0BL		Flet	Flett's Quillwort
Isoetes novae-angliae	New			**		382	315	52	3-0BL	28		New	New England Quillwort
Isoetes occidentalis	80					2-0BL	3	53		2.5		Wes	Western Quillwort
Isoetes texana	New	3-0BL				532		532		2.5		Coa	Coastal Bend Quillwort
Isoetes tuckermanii		2-0BL		- 3		9		0				Tuc	Tuckerman's Quillwort
Isoetes X altonharvillii		3-0BL				76		76				[eng	[engelmannii X vallida]

Scientific Name	New?	AGCP	AW	O m	EMP	G	=	MΜ	NCNE	MW W	AK	S Common Name P
Isoetes X brittonii		2-0BL		* 1		25 2		28 2		85 3		[engelmannii X riparia]
Isoetes X carltaylori	New	3-0BL		* *	4-0BL					>		[acadiensis X engelmannii]
Isoetes X eatonii		2-0BL										[echinospora X engelmannii]
Isoetes X echtuckeri	New								3-0BL			[echinospora X tuckermannii]
Isoetes X fairbrothersii		3-0BL				32	Î		3-0BL			[engelmannii X lacustris]
Isoetes X truncata						12				3-0BL		[flettii X maritima]
Jaegeria hirta	New		4- FACU									Botao-de-Ouro
Juncus anthelatus		2- FACW	2- FACW		2-FACW	2- FACW				2- FACW		Kentucky Rush
Juncus bulbosus	8			2 •				2	3-0BL	\$ 8		Bulbous Rush
Juncus compressus	x — x	3- FACW		1	3-FACW					Ş		Round-Fruit Rush
Juncus elliottii			3- FACW					\$				Elliott's Rush
Juncus ensifolius								2- FACW				Dagger-Leaf Rush
Juncus pallidus	New	3- FACW			4-0BL							Javelin-Grass
Juncus paludosus	New	4-0BL		3 =		5.		0,				Florida Rush
77,550	S =					2-0BL	50					Common Rush
Juncus saximontanus	e =			3		<i>6.</i>	50	6.			2-FACW	Rocky Mountain Rush
Juncus vaseyi	é —			3	2-FACW	6. 2.	50			.5		Vasey's Rush
Justicia americana	6		2-0BL	5		0.	30					American Water-Willow
Justicia crassifolia				5 =	3-0BL							Thick-Leaf Water-Willow
Krigia caespitosa									3- FACU			Weedy Dwarf-Dandelion
Lantana urticoides				*		3				3- FACU		West Indian Shrub- Verbena
Leitneria pilosa	New	4- FACW			4-FACW	30						Hairy Corkwood
Lepidium latifolium		4-FAC		: 8	3-FAC							Broad-Leaf Pepperwort
Lepidium nitidum	. — "			***		2-FAC			2-FAC	₹		Shining Pepperwort
Leucothoe axillaris									2-			Coastal Dognobble

Scientific Name	New?	AGCP	AW	ОШ	EMP	GБ	Ξ	<u>×</u>	NCNE	WMVC	AK	ω	Common Name
Leucothoe fontanesiana				7		36 2		2- FACW				•	Highland Doghobble
Leymus condensatus						2- FACU							Giant Lyme Grass
Limnobium spongia			2-0BL					9 0		2-0BL			American Spongeplant
Limnosciadium pumilum					4-0BL			()					Prairie Dogshade
Limonium binervosum	New		3-FAC	- 3		2		9				- 3	Rock Sea-Lavender
Lindernia procumbens									2- FACW			33	Prostrate False Pimpernel
Linum floridanum									2-FAC				Florida Yellow Flax
Linum intercursum		4- FACU		5 =	3-FACU			3- FACU					Sandplain Flax
Linum virginianum				Ď		4-FAC							Woodland Flax
Liquidambar styraciflua										3-FAC			Sweet-Gum
Lonicera cauriana						2-FAC							Sweet-Berry Honeysuckle
Lonicera japonica		4- FACU											Japanese Honeysuckle
Ludwigia bonariensis	,			5 3	3-0BL								Carolina Primrose-Willow
Ludwigia octovalvis			2-0BL	7	2-0BL							3	Mexican Primrose-Willow
Lupinus polyphyllus		3-FAC		**	4-FAC	\$							Blue-Pod Lupine
Luzula arcuata				8		3- FACU							Curved Wood-Rush
Lycium torreyi						3-FAC				3- FACU		Ş-	Squawthorn
Lycopodiella margueritae					3-FACW			3- FACW					Prostrate Club-Moss
Lycopodiella subappressa								3- FACW					Northern Appressed Club-Moss
Lycopus americanus				*		3		ŭ 8		* = :	2-0BL	3	Cut-Leaf Water- Horehound
Lycopus rubellus								3		2-0BL			Taper-Leaf Water- Horehound
Lycopus X sherardii				**		2-0BL		50		· 20		- 4	[uniflorus X virginicus]
Lysimachia maritima				80	4-FAC	\$				- 40			Sea-Milkwort
Lysimachia punctata	*		2-0BL	*								: Sk	Large Yellow-Loosestrife
Lythrum salicaria				3		3		0			3-0BL		Purple Loosestrife
Macroptilium lathyroides				- 0	2-FACU	- 12		18				- 43	Wild Bush-Bean

Scientific Name	New?	AGCP	AW	ОM	EMP	dБ	Ξ	MM	NCNE	WMVC	AK	ω Φ −	Common Name
Madia glomerata		4- FACU			3-FACU							+	Mountain Tarplant
Magnolia acuminata		3- FACU				3- FACU		3- FACU	3- FACU				Cucumber-Tree
Magnolia ashei					3-FACU	0							Ashe's Magnolia
Mahonia nervosa		4- FACU	3. FACU		3-FACU	3,0							Cascade Oregon-Grape
Marsilea drummondii	New		3-0BL										Drummond's Water- Clover
Marsilea mutica	3		43	3		2-0BL		2-0BL					Australian Water-Clover
Marsilea vestita									2-0BL				Hairy Water-Clover
Medeola virginiana		4- FACU		*	3-FAC				4- FACU				Indian Cucumber-Root
Meehania cordata				* 1		÷ 2		3- FACU	3- FACU			¥	Meehan's-Mint
Melaleuca citrina	× = ×		2-UPL	× ×		5 8				2-UPL		>	Crimson-Bottlebrush
Melanthera angustifolia	New	4-FAC						8					Everglades Squarestem
Melia azedarach				*		V			3- FACU			8	China-Berry
Melica bulbosa						9-RST		2- FACU					Onion Grass
Melilotus indicus								3- FACU					Indian Sweet-Clover
Melochia corchorifolia				<i>5</i>		4-FAC			3- FACU	å :		\$	Chocolate-Weed
Mentha aquatica						3- FACW							Water Mint
Mentha X gracilis			4- FACW							3- FACW			[arvensis X spicata]
Mentha X rotundifolia	, _ ,	4-FAC	4-FAC			4-FAC		4-FAC	4-FAC	3-FAC			[spicata X suaveolens]
Mesembryanthemum cordifolium				*		8				2-FAC			Heart-Leaf Iceplant
Mesembryanthemum crystallinum						0				3- FACU			Crystalline Iceplant
Mesembryanthemum nodiflorum		2-FAC		31		000							Slender-Leaf Iceplant
Micranthes fragosa	New		3- FACW							3- FACW			Cliff Pseudosaxifrage
Micranthes palmeri				5		4-FAC						8	Palmer's Pseudosaxifrage

Scientific Name	New	AGCP	AW	Om	EMP	8	=	MΜ	NCNE	WMVC	ΑΚ	ω	Common Name
Micranthes petiolaris		3- FACW		*								-	Michaux's Pseudosaxifrage
Milium effusum	2 - 3			:		2- FACU			2- FACU				American Millet Grass
Mimosa pudica					2-FACU								Shameplant
Mimosa strigillosa			3		2-FAC			2-FAC					Powderpuff
Mimulus breviflorus						2- FACW		8					Short-Flower Monkey- Flower
Mimulus guttatus		2-0BL	3										Seep Monkey-Flower
Mimulus washingtonensis						2-0BL							Washington Monkey- Flower
Moehringia macrophylla	New		3-FAC	÷		4-UPL			3- FACU	3- FACU			Large-Leaf Grove- Sandwort
Molinia caerulea	s		× ×	3	2-FACU	2		8				¥	Purple Moor Grass
Momordica charantia	x = 3		3- FACU	*		3- FACU	0		3- FACU			>	Balsam-Pear
Monarda clinopodia	3	2- FACU		\$					2- FACU				White Bergamot
Morinda umbellata	New	4- FACU											Cheeseshrub
Morus rubra			2- FACU							2- FACU			Red Mulberry
Muhlenbergia expansa	G.		5	S.		2- FACW				8		8	Spreading Muhly
Muhlenbergia filiformis		2- FACW		*				2- FACW					Pullup Muhly
Muhlenbergia glabrifloris	×	3-FAC	2	X 3	4-FAC	4-FAC			3-FAC	\$ \$		2 - 3	Smooth Muhly
Muhlenbergia tenuiflora		3- FACU				3- FACU		3- FACU	3- FACU				Slim-Flower Muhly
Muhlenbergia uniflora	, 3		2-0BL	5 38		2-0BL				3 - 23 3 - 23			Bog Muhly
Myosotis sylvatica				***							3-UPL		Woodland Forget-Me-Not
Myriophyllum heterophyllum								\$2		2-0BL			Two-Leaf Water-Milfoil
Myriophyllum humile				*		2-0BL							Low Water-Milfoil
Myriophyllum pinnatum				- 8						2-0BL			Cut-Leaf Water-Milfoil
Nama jamaicense	8)			-	4-FACW			33		2.5		84	Jamaican-Weed
Navarretia fossalis										3-0BL			Vernal-Pool Pincushion- Plant
Navarretia prostrata										3-0BL			Prostrate Pincushion-

Scientific Name	New	AGCP	¥	Om	EMP	G _D	豆	MΜ	NCNE	WMVC	AK	ഗ <u>¬</u>	Common Name
Nelsonia canescens		3-FAC								39 9			Blue Pussyleaf
Nelumbo nucifera						2-0BL						Š	Sacred Lotus
Neptunia oleracea		3-0BL			4-FACW							Ö	Garden Puff
Nicotiana obtusifolia				. 3	2-FACU	3 8						Δ	Desert Tobacco
Nicotiana plumbaginifolia					2-FAC							<u>a</u>	Tex-Mex Tobacco
Nicotiana tabacum						3-UPL						Ö	Cultivated Tobacco
Nuphar sagittifolia									2-0BL			ā	unknown
Nyssa ogeche				*	3-0BL							0	Ogeechee Tupelo
Oenanthe javanica) 8							X 39	2-0BL			W	Water-Celery
Oenothera canescens		2-FAC	2-FAC									S 4	Spotted Evening- Primrose
Oenothera elata								3- FACW				ĪĀ	Hooker's Evening- Primrose
Oenothera flava		4- FACU										PC	Long-Tube Evening- Primrose
Oenothera jamesii	>	2- FACW		ž.								ŢĞ	Trumpet Evening- Primrose
Ophioglossum petiolatum				,		4- FACW						4E	Long-Stem Adder's- Tongue
Oplismenus hirtellus	8					33		3- FACU				4	Long-Leaf Basket Grass
Oplopanax horridus						4- FACU						٥	Devil's-Club
Ornithogalum caudatum			72		3-FACU							E E	False Sea-Onion
Orobanche riparia		2- FACW			2-FACW			2- FACW		2- FACW		<u>~</u>	River Broom-Rape
Osmorhiza berteroi								2- FACU				Σ	Mountain Sweet-Cicely
Oxalis corniculata											3-FACU	ပ်က	Creeping Yellow Wood- Sorrel
Oxytropis czukotica	New			÷ ;							3-UPL	Ľ	Amphi-Beringian Locoweed
Packera pseudaurea					2-FACW					2 2		S	Streambank Groundse
Palhinhaea cernua					3-FAC	8						Σ	Monkey's Paw
Parnassia parviflora	*			*							2-0BL	Ω Œ	Small-Flower Grass-of- Parnassus
Paspalum denticulatum			7	- 3	2-0BL	**						ď	Pull-and-Be-Damned
Paspalum floridanum									2-2-				Florida Crown Grass

Scientific Name	New?	AGCP	AW	OШ	EMP	G G	Ŧ	MΜ	NCNE	WMVC	AK	S Common Name
Paspalum notatum						36 8		3- FACU				Bahia Grass
Paspalum orbiculatum	, - ,	4-FAC			4-FAC			8 8				Circular Crown Grass
Paspalum virgatum	,			3			2- FACW					Talquezal
Passiflora foetida					3-FAC							Scarlet-Fruit Passion- Flower
Paulownia tomentosa	***		4-UPL									Princesstree
Paxistima myrsinites			3- FACU			3- FACU						Oregon Boxleaf
Perideridia parishii				× =		2-FAC						Parish's Yampah
Perilla frutescens		4- FACU		ž	3-FACU	3-FAC			3-FAC	3-UPL		Beefsteakplant
Persea palustris		<i>*</i>		× -		2- FACW	h <u>.</u>			ž.		Swamp Bay
Persicaria arifolia	. — .	7 3	2-0BL	· · · · · ·		3 8		8		2-0BL		Halberd-Leaf Tearthumb
Persicaria longiseta		2-FAC			2-FAC			3				Bristly Lady's-Thumb
Persicaria meisneriana					4-FAC			2				Branched Tearthumb
Persicaria minor		2-0BL		7					1			Pygmy Smartweed
Persicaria perfoliata				***				2 20		2-FAC		Asiatic Tearthumb
Persicaria puritanorum	New								4- FACW			Puritan Smartweed
Persicaria robustior			3-0BL	3		3-0BL		C)				Stout Smartweed
Persicaria wallichii				- 3	2-FAC	3	***	CS.	2-FAC			Garden Smartweed
Petasites frigidus		3- FACW				3		8				Arctic Sweet-Colt's-Foot
Phacelia covillei								2- FACW				Buttercup Scorpion- Weed
Phacelia viscida									3-UPL			Tacky Scorpion-Weed
Phalaris aquatica				5 -		3-FAC						Harding Grass
Phalaris paradoxa									3-FAC			Mediterranean Canary Grass
Phegopteris hexagonoptera						4-FAC						Broad Beech Fern
Phragmites karka		3- FACW	3-0BL			4- FACU		8		3-FAC		Tropical Reed
Phyla cuneifolia	35	*		***	4-FAC			8				Wedgeleaf
Phyllanthus caroliniensis		*		30				382	2-FAC			Carolina Leaf-Flower
Phyllanthus fluitans	New	3-0BL										Red Root Floater

Scientific Name	New?	AGCP	AW	0 0	EMP	dБ	로	MM	NCNE	WMVC	AK	0, 11.	S Common Name
Phyllostachys nigra		2- FACU		* 7		2- FACU						*	Black Bamboo
Physalis minima				*	2-FACU			2- FACU					Pygmy Ground-Cherry
Physostegia angustifolia				Î		30		8	3- FACW				Narrow-Leaf False Dragonhead
Phytolacca icosandra		3-FAC	-4- FACU	4 ' T K O 🗆	4-FACU								Tropical Pokeweed
Picea pungens	8 8	3-FAC					8 8	50		2 2		8 8	Blue Spruce
Pimpinella saxifraga	New	4-UPL) X	3-FACU			3-UPL	3- FACU	3-UPL			Solid-Stem Burnet- Saxifrage
Pinckneya bracteata					3-FACW	8							Fevertree
Pinguicula planifolia					4-0BL	33							Chapman's Butterwort
Pinus ponderosa			52	- 37					3-UPL	8		23	Ponderosa Pine
Plagiobothrys leptocladus								3- FACW					Alkali Popcorn-Flower
Plagiobothrys nitens	New		4-0BL							3- FACW			Shiny-Nutlet Popcorn- Flower
Plagiobothrys reticulatus			2 3	ş				2	2- FACW			*	Netted Popcorn-Flower
Plantago pusilla	X — 8		3-FAC	· •			*	8 39		3. FACU		8	Dwarf Plantain
Platanthera aquilonis					3-FACW	3-0BL		3- FACW	3- FACW		3-FACW		Bog Orchid
Platanthera brevifolia						4- FACU				3- FACU			Short-Leaf Fringed Orchid
Platanthera grandiflora			0	3		8	9	2- FACW				\$	Greater Purple Fringed Orchid
Platanthera huronensis		3-0BL		ħ									Lake Huron Green Orchid
Platanthera shriveri	New			\$ 15	4-FAC					3 -0			Shriver's Fringed Orchid
Platanthera X beckneri	New	3- FACW		*									[conspicua X cristata]
Platanthera X enigma	New								3- FACW				[grandiflora X psycodes]

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Scientific Name	New	AGCP	Α¥	O m	EMP	GБ	I	MΕ	NCNE	WMVC	AK	ω □ _	Common Name
Platanthera X estesiï	New		3- FACW	- 1		35				3-FAC		-	[dilatata X stricta]
Platanthera X folsomii	New		3- FACW							3-FAC			[dilatata X yosemitensis]
Platanthera X kelleyi	New		3- FACW							3-FAC			[sparsiflora X tescamnis]
Platanthera X lueri	New	3- FACW		-									[conspicua X ciliaris]
Platanthera X smithii	New			3		3-FAC		0.		3-FAC		8	[aquilonis X tescamnis]
Platanthera yosemitensis	New		3- FACW	(E) v			2			3. FACW		\$	Yosemite Bog Orchid
Plecostachys serpyllifolia	New		3- FACU	*			2	8 2				3	Petite-Licorice
Pleea tenuifolia				š: - 3	3-0BL	5 2				5			Rush-Featherling
Pleopeltis polypodioides		5 3		X 3		5 6			4-UPL	> 8		2 3	Resurrection Fern
Pluchea baccharis						2- FACW							Rosy Camphorweed
Plumbago auriculata	- 4				3-UPL							2 8	Cape Leadwort
Poa arctostepporum	New					, , , ,					3-UPL	===	Amphi-Beringian Blue Grass
Poa bulbosa	New	3- FACU	3- FACU		3-FACU	3- FACU		3- FACU	3- FACU	3- FACU			Bulbous Blue Grass
Poa nemoralis	S					3- FACU	2						Forest Blue Grass
Poa secunda		2- FACU		,	2-FACU								Curly Blue Grass
Polemonium caeruleum		2- FACW		x ,		5 8		2- FACW					Charity
Polemonium Iongii	New			2 8	3-FACU			8 - 8					Long's Jacob's-Ladder
Polemonium micranthum				,		2- FACU							Annual Jacob's-Ladder
Polygala ambigua			2- FACU			2- FACU		8				\$	Alternate Milkwort
Polygala brevifolia			3		3-FACW	32		-5				2	Little-Leaf Milkwort
Polygala hookeri				- 8	3-FACW			Z = = Z		- 8		 	Hooker's Milkwort
Polygala sanguinea			4 FACU										Purple Milkwort
Polygonatum pubescens		4- FACII		ž.		4- FACII		3- FACLI	3- FACU	\$		â	Hairy Solomon's-Seal

Scientific Name	New	AGCP	ΑM	OШ	EM	9	=	ΜM	NCNE	WMVC	AK	S Common Name P
Polygonum achoreum		4-FAC										Leathery Knotweed
Polygonum argyrocoleon					4-0BL			4-0BL	3-FAC	5		Silver-Sheath Knotweed
Polygonum douglasii		4- FACU		,								Douglas' Knotweed
Polygonum patulum						4- FACW			3- FACU			Bellard's Knotweed
Polygonum plebeium	New	4- FACW										Common Knotweed
Polygonum raii	New			300				8	3-FAC			Ray's Knotweed
Polypogon interruptus					3-FACW			3- FACW				Ditch Rabbit's-Foot Grass
Polypogon viridis			ø.	ř - · · ·	4-FACW							Beardless Rabbit's-Foot Grass
Polystichum munitum	3			3	2-FACU				2- FACU	3		Pineland Sword Fern
Pontederia cordata			2-0BL									Pickerelweed
Pontederia rotundifolia	New	3-0BL				8		3				Tropical Pickerelweed
Portulaca grandiflora			3-UPL	- 1						3-UPL		Rose-Moss
Potamogeton friesii	8	2-0BL	9	- 11		20		24				Flat-Stalk Pondweed
Potamogeton oblongus	New	3-0BL	8	*	3-0BL	ý		\$	3-0BL			Cinnamon-Spot Pondweed
Potamogeton tennesseensis		2-0BL		*		534						Tennessee Pondweed
Potamogeton X absconditus	New		5			30			3-0BL			[perfoliatus X richardsonii]
Potamogeton X aemulans	New								3-0BL			[bicupulatus X epihydrus]
Potamogeton X faxonii		2-0BL	2-0BL	3 = 0	2-0BL	2-0BL		ć				[illinoensis X nodosus]
Potamogeton X hagstroemii										2-0BL		[gramineus X richardsonii]
Potamogeton X mirabilis	New			3					3-0BL			[gramineus X oakesianus]
Potamogeton X nericus			3-0BL			3-0BL		3-0BL		3-0BL		[alpinus X gramineus]
Potamogeton X nitens	- 8		8	*	3-0BL	\$		8	*			[gramineus X perfoliatus]
Potamogeton X rectifolius	8			*	2-0BL	534		534	*	2-0BL		[nodosus X richardsonii]
Potamogeton X sparganiifolius	New				3-0BL	33			3-0BL			[gramineus X natans]
Potamogeton X spathuliformis			2-0BL	3		2-0BL		C,S		2-0BL		[gramineus X illinoensis]
Potamogeton X subdentatus	New	3-0BL	(3)	ű		76	2	78	3-0BL	10		[illinoensis X perfoliatus]

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Soientific Name	New?	AGCP	₩	Om	EMP	g.	至	×Σ	NCNE	WMVC	ΑK	S Comm	Common Name
Potamogeton X subobtusus	New								3-0BL	87		[alpinus X nodosus]	[snsopo
Potamogeton X undulatus	New							3-0BL	3-0BL	y .		[praelongu	[praelongus X crispus]
Potamogeton X versicolor	New								3-0BL	y 8		[epihydrus	[epihydrus X perfoliatus]
Potentiilla litoralis	New			7					3- FACU			Coastal Cinquefoil	quefoil
Potentiila pensylvanica					2-FACU			8 30		6 2		Pennsylvar	Pennsylvania Cinquefoil
Potentilla plattensis								2- FACW				Platte Rive	River Cinquefoil
Potentilla uliginosa	New		4-0BL							3- FACW		Cunningham Marsh Cinquefoil	n Marsh
clematidea	New	3- FACU										Praxelis	
Proboscidea louisiana				ži			4- FACW			*		Ram's-Horn	90.75
Prunus avium		4-UPL	3- FACU	*	4-UPL	4-UPL		3- FACU	3- FACU			Sweet Cherry	ry
Pseuderanthemum variabile					4-FACU							Night-and-Afternoon	fternoon
Pseudognaphalium canescens				3	3-FACU			8				Wright's Ra	Wright's Rabbit-Tobacco
Pseudotsuga menziesii		2- FACU			2-FACU			30				Douglas-Fir	
Pteris irregularis				4 · D								Zigzag Brake	Q Q
Puccinellia lemmonii				_		3- FACW						Lemmon's Alkali	Alkali Grass
Puccinellia lucida	. — .		3-0BL	*						;		Shining Alkali Grass	ali Grass
Puccinellia nutkaensis		4- FACW			3-FACW							Nootka Alkali Grass	ali Grass
Puccinellia tenella				3	4-FACW							Tundra Alkali	ili Grass
Pueraria montana			3-UPL	- 3								Kudzu	
Pyrola asarifolia		3-FAC		3	4-FAC	2		3				Pink Wintergreen	green
Pyrrocoma lanceolata		4-FAC		3		3		3				Lance-Leaf	Lance-Leaf Goldenweed
hemisphaerica			3- FACU									Darlington's Oak	s Oak
pagoda	50			3		& 		0.	4-			Cherry-Bark Oak	(Oak

Scientific Name	New?	AGCP	AW M	C EMP	СБ	Ŧ	MΜ	NCNE	WMVC	AK	S Common Name P	Name
Quercus rubra			2- FACU								Northern Red Oak	Sak
Quercus similis				2-FACW					8 8		Bottom-Land Post Oak	ost Oak
Quercus X macnabiana					3		2- FACU				[sinuata X stellata]	[ete]
Ranunculus muricatus							3- FACW				Spiny-Fruit Buttercup	tercup
Ranunculus platensis					2-FAC		3				Prairie Buttercup	dn
Ranunculus subrigidus										2-0BL	Short-Beak Water- Crowfoot	iter-
Ranunculus sulphureus			3 FACW		3-0BL				3- FACW		Sulphur Buttercup	dno
Ranunculus trilobus				3-FAC							Three-Lobe Buttercup	ttercup
Reynoutria X bohemica		3- FACU	3- FACU	3-FACU	4- FACU		4- FACU	3- FACU	3	3-FACU	[japonica X sachalinensis]	S
Rhamnus alaternus	New		3- FACU								Evergreen Buckthorn	kthorn
Rhamnus alnifolia		4-FAC									Alder-Leaf Buckthorn	kthorn
Rhinanthus minor							3- FACU				Little Yellow-Rattle	attle
Rhizophora mangle			3	2-0BL	8						Red Mangrove	
Rhododendron macrophyllum			3- FACU								California Rhododendron	dodendron
Rhododendron prinophyllum			2-FAC		2-FAC	0	0.		3		Early Azalea	
Rhus copallinum			3- FACU	3	3.				8		Winged Sumac	0
Rhynchospora brachychaeta			3- FACW	ž.	3-0BL						West Indian B	Beak Sedge
Rhynchospora caduca				ž ž			3-0BL		9		Angle-Stem Beak Sedge	ak Sedge
Rhynchospora careyana							5	2-0BL			Broad-Fruit Horned Beak Sedge	rned Beak
Rhynchospora inundata					2-0BL						Narrow-Fruit Horned Beak Sedge	orned
Rhynchospora latifolia							3- FACW				Sand-Swamp Whitetop	Whitetop
Rhynchospora odorata				2-0BL							Fragrant Beak Sedge	Sedge
Rhynchospora rariflora			3	di-	7.	6	2-0BL		3		Few-Flower Beak Sedge	ak Sedge

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Scientific Name	New	AGCP	¥	Om	EMP	G	=	ΜM	NCNE	WMVC	AK	ω Φ −	Common Name
Rhynchospora recognita		3- FACW	3- FACW	4 ' π 4 Ω §		3- FACW	-4- FACW	3- FACW	3- FACW	FACW		**	Coarse Globe Beak Sedge
Ribes glandulosum		3- FACW		5									Skunk Currant
Ribes laxiflorum			4- FACU	2		3- FACU	2	i i		\$	3-FACU	<u> </u>	Trailing Black Currant
Ribes lobbii			3- FACU							6 3			Oregon Gooseberry
Ribes sanguineum			4-UPL	*				35					Blood Currant
Rorippa curvipes		3- FACW											Blunt-Leaf Yellowcress
Rorippa dubia		3- FACW	3-FAC							3- FACW			unknown
Rorippa sessiliflora			20	3		Q.				2-0BL			Stalkless Yellowcress
Rousselia humilis		3- FACU											Shineseed
Rubus apogaeus				5	4-FAC								Falling Dewberry
Rubus arizonensis		2- FACU		 									Arizona Dewberry
Rubus baileyanus						2- FACU				3		3	Bailey's Dewberry
Rubus caesius					3-FACU		3	3- FACU					European Dewberry
Rubus floricomus	New	4-FAC			4-FAC		3		3-FAC				Many-Flower Blackberry
Rubus hispidoides	New								3- FACW				Bog Dewberry
Rubus hypolasius	S				4-FAC			0.				3	Pineland Dewberry
Rubus inclinis	New			3 =	4-FACW				4- FACW			\$	Marshland Blackberry
Rubus lawrencei	New	3-FAC		ž	3-FAC				4-FAC				Adirondack Blackberry
Rubus Iongii									2-FAC				Long's Blackberry
Rubus missouricus		2- FACU		5									Missouri Dewberry
Rubus multiformis	2		3 30	* *	2-FAC	3 38	3 1			3 35			Variable Blackberry
Rubus paganus									က်				St. Lawrence Dewberry

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Solentific Name	New?	AGCP	AW	Om	EMP	G	=	MΜ	NCNE	WMVC	ΑĶ	S Common Name P	Name
Rubus paludivagus	New								4-FAC			Cape Cod Blackberry	kberry
Rubus parviflorus	x =	3- FACU		.	3-FACU		3					Western Thimble-Berry	ole-Berry
Rubus pedatus						4-FAC						Strawberry-Leaf Raspberry	JE
Rubus pensilvanicus			3-FAC							3-FAC		Pennsylvania Blackberry	Blackberry
Rubus phoenicolasius		3- FACU	3- FACU		3-FACU			3- FACU		3-FAC		Wine Raspberry	ý
Rubus plus					4-FACU	×		3-FAC				Hairy-Leaf Dewberry	berry
Rubus probabilis					4-FACU							Tree Blackberry	y
Rubus sons			88	3 =	3-FAC	5).		0.				New Orleans Dewberry	ewberry
Rubus suus			88	<u> </u>		4-FAC		0.				Branched Blackberry	kberry
Rubus tardatus		4- FACU	8	3	3-FAC	Ø		3-FAC				Wet-Thicket Dewberry	wberry
Rudbeckia nitida				<i>></i>	4-FAC							Shiny Coneflower	ver
Rudbeckia occidentalis						2-FAC						Western Coneflower	lower
Rumex floridanus				s	3-FACW				3- FACW			Florida Dock	
Rumex hesperius	New		4- FACW	*						3- FACW		Western Willow dock	v dock
Rumex kerneri										3- FACW		Kerner's Dock	
Rumex lapponicus			4-FAC	*		3-FAC				3-UPL		Lapland Sorrel	
Rumex maritimus	New	3- FACW			4-FAC				3- FACW			Golden Dock	
Rumex mexicanus						3-FAC			4- FACW	3-FAC		Mexican Dock	
Rumex occidentalis		3-0BL		8 =	4-0BL							Western Dock	
Rumex palustris	New		4- FACW							3-FAC		Marsh Dock	
Rumex persicarioides		2- FACW	3 -3	× *	2-FACW		å ·			2- FACW		Coastal Dock	
Rumex stenophyllus		2- FACW						S 59				Narrow-Leaf Dock	ock
Rumex violascens				*					2- FACW			Violet Dock	
Sabal minor								2- EACM				Dwarf Palmetto	0

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Scientific Name	New	AGCP	¥	C EMP	СБ	I	MΜ	NCNE	WMVC	AK	ഗ <u>¬</u> −	Common Name
Sabatia campanulata				- N	2- FACW	28 - 2					=X	Slender Rose-Gentian
Sabatia kennedyana	2 2			2-0BL		6 8						Plymouth Rose-Gentian
Sacciolepis indica				4-FACW		8					0	Glenwood Grass
Sagina procumbens					3- FACW						eu .	Bird-Eye Pearlwort
Sagittaria ambigua					ž			2-0BL			X	Kansas Arrowhead
Sagittaria cuneata		2-0BL			ž						Ø	Arum-Leaf Arrowhead
Salix atrocinerea		2- FACW			2- FACW		2- FACW				<i>w</i>	Smooth-Twig Gray Willow
Salix caprea			3- FACW	· —		<i>7</i> 2.			3- FACW		0	Goat Willow
Salix cinerea				50 3	2- FACW				2- FACW			Large Gray Willow
Salix elaeagnos	x = x	4-FAC		3-FACW		5 8	3- FACW		> 8			Elaeagnus Willow
Salix famelica				2-FACW	•	8 8					3	unknown
Salix myrsinifolia	New			 				3-0BL				Dark-Leaf Willow
Salix nigra			4-0BL	, ,							ш	Black Willow
Salix triandra	New	4-0BL		3-FACW	,		3- FACW	3- FACW			₽	Almond-Leaf Willow
Salix viminalis							3- FACW					Basket Willow
Salix X glatfelteri	New	4- FACW		3-FACW			3- FACW	3- FACW			<u>~</u>	[amygdaloides X nigra]
Salvinia molesta				L B O 1 2		¢. —			2-0BL			Kariba-Weed
Salvinia oblongifolia	New		3-0BL	. 33	*						O	Oblong-Leaf Water-Moss
Samanea saman					ž	0,0					ш	Raintree
Sarcocornia ambigua				2-0BL	2-0BL						O	Chickenclaws
Sarcocornia utahensis	S.	3-0BL	***		2	- 3	39					Utah Swampfire
Sarracenia flava					3	0,8		2-0BL			>	Yellow Pitcherplant
Sarracenia leucophylla			3	3-0BL	2	3	3		3-0BL		Α	White-Top Pitcherplant
Sarracenia minor	- %			3-0BL	2	Q.	39					Hooded Pitcherplant
Sarracenia rosea				3-0BL		76			- 77		ш	Rosy Pitcherplant

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Saxifraga rivularis	, =								3- FACW				Alpine-Brook Saxifrage
Sceptridium biternatum				*					2-FAC	6 - 7 2 - 7		\$ 9	Sparse-Lobe Grape Fern
Sceptridium oneidense	2 3	4-FAC		•				3-FAC	3-FAC	2 — 2			Blunt-Lobe Grape Fern
Schedonorus giganteus	New								3- FACU				Giant False Rye Grass
Schenkia spicata					2-FACW								Mediterranean Schenkia
Schinus molle		-4- FACU		4 ' T & O J		3- FACU	3-UPL			3-UPL		*	Peruvian Peppertree
Schoenolirion albiflorum				* 8	4-FACW							K 8	White Sunnybell
Schoenoplectus californicus				*		. 55		2-0BL					California Club-Rush
Schoenoplectus glaucus		2-0BL		8	2-0BL							: 54	Tuberous Club-Rush
Schoenoplectus heterochaetus	8)	2-0BL		*		55-				2			Pale Great Club-Rush
Schoenoplectus lacustris	New	3-0BL		*	3-0BL	50			3-0BL	200		*	Common Club-Rush
Scilla luciliae		3-FAC		*									Boissier's Glory-of-the- Snow
Scirpoides holoschoenus				- 8		11		2	2-0BL			53	Round-Head Club-Rush
Scirpus atrocinctus	2		3-0BL	3		2		8					Black-Girdle Bulrush
Scirpus atrovirens			2-0BL	- 5		2				2-0BL		53	Dark-Green Bulrush
Scleria oligantha				- 8					3-FAC				Little-Head Nut-Rush
Sedum ternatum		4- FACU						3- FACU	3- FACU				Woodland Stonecrop
Selaginella eclipes	a —	3- FACW		3	3-FACW			3- FACW					Hidden Spike-Moss
Selaginella uncinata					3-0BL								Blue Spike-Moss
Senecio hydrophiloides				*		2- FACW	3 8					3	Stout Meadow Ragwort
Senecio minimus			3- FACU	*									Coastal Burnweed
Senecio pseudoarnica									3- FACU				Seaside Ragwort
Senna alata	*				3-FACU								Emperor's-Candlesticks
Sesbania herbacea	_									3- FACW			Peatree
Seymeria cassioides	<u> </u>		2-FAC	3		2-FAC		0				3	Yaupon Black-Senna

Scientific Name	New	AGCP	AW	Оm	EMP	GБ	Ξ	MΜ	NCNE	WMVC	AK	ω σ −	Common Name
Shortia galacifolia									3- FACU			-	Oconee-Bells
Sibbaldia tridentata		2- FACU											Shrubby-Fivefingers
Sida acuta			3-UPL			4-UPL			3- FACU				Common-Wireweed
Sidalcea campestris			3- FACU										Meadow Checkerbloom
Sidalcea neomexicana		2- FACW		ä .									Rocky Mountain Checkerbloom
Silene uralensis						3- FACW				3 3		*	Apetalous Catchfly
Silphium integrifolium		3-FAC			3-FAC	3-FAC		3- FACU		3-FAC			Entire-Leaf Rosinweed
Silphium perfoliatum			3- FACW										Cup-Plant
Sinapis alba		3-FAC	4-FAC	4 ' T K O	3-FACW			3- FACU	3- FACU				White-Mustard
Sisyrinchium fuscatum				X X			8	4- FACW					Coastal-Plain Blue-Eyed- Grass
Sisyrinchium sagittiferum	2 8				4-FACW	5		30					Spear-Bract Blue-Eyed- Grass
Sium carsonii	New	3-0BL			4-0BL			. 39	3-0BL				Carson's Water-Parsnip
Smilax glauca						8				3- FACU			Sawbrier
Smilax pulverulenta						3- FACU							Downy Carrion-Flower
Solandra grandiflora						Ø			3- FACU				Showy Chalicevine
Solanum nigrum			Y.	, , , , , , , , , , , , , , , , , , ,					3- FACU			*	European Black Nightshade
Solanum torvum				ž ž	3-FACU	8 8						2 5	Turkey-Berry
Solenostemon scutellarioides				*	2-FACU				2- FACU				Painted-Nettle
Solidago caesia						2- FACU		,					Wreath Goldenrod

Scientific Name	New?	AGCP	AW	Om	EMP	9	=	ΜM	NCNE	WMVC	AK	ω ≖ −	Common Name
Solidago fistulosa				* *					4- FACW			•	Pine-Barren Goldenrod
Solidago multiradiata	3			5	2-FACU				2- FACU				Rocky Mountain Goldenrod
Solidago stricta						3-0BL							Wand Goldenrod
Solidago X asperula		4-UPL				2							[rugosa X sempervirens]
Sophronanthe pilosa								3- FACW					Shaggy False Hedge- Nettle
Sparganium fluctuans		2-0BL						A = 0				9	Floating Burr-Reed
Spergularia diandra						2- FACW							Alkali Sandspurry
Spergularia echinosperma			3-0BL	ži —i									Bristle-Seed Sandspurry
Sphenopholis filiformis				×		3-FAC						o .	Long-Leaf Wedgescale
Sphenopholis intermedia		2-FAC	2-FAC	5 -	2-FAC	2-FAC				2-FAC	2-FAC		Slender Wedgescale
Sphenopholis nitida		4-UPL		6	3-FAC	4-UPL			4-UPL				Shiny Wedgescale
Spinulum annotinum		3-FAC		5 =									Interrupted Club-Moss
Spiraea betulifolia				6				3-FAC					Shiny-Leaf Meadowsweet
Spiranthes odorata	; —,			X 2					2-0BL	9		2 8	Marsh Ladies'-Tresses
Sporobolus texanus		3-FAC			4-FACU			5 30		30			Texas Dropseed
Sporobolus virginicus					4-FAC					36			Seashore Dropseed
Sporobolus wrightii	. —	4-FAC				3-FAC		53		3- FACW			Wright's Dropseed
Stachys appalachiana	New				4-0BL								Blue Ridge Hedge Nettle
Stachys clingmanii	= 3			*				9	3- FACU				Clingman's Hedge-Nettle
Stachys crenata								3-FAC					Mouse's-Ear
Stellaria alsine			3-0BL	ñ		35		2				53	Bog Chickweed
Stellaria borealis		3- FACW											Boreal Starwort
Stellaria cuspidata	S =				2-FAC	2	-	ά. ω.					Mexican Starwort
Stenandrium dulce				ã ·	3-FACW	ö. —						S.	Sweet Shaggytuft
Stuckenia filiformis		2-0BL		ž.								3	Slender-Leaf False Pondweed
Stuckenia X suecica	New			*			00	3-0BL	3-0BL				[filiformis X pectinatus]
Suaeda nigra		4-0BL				3 30							Shrubby Seepweed
Succisella inflexa	New				3-FACW				3- FACW				Frosted Pearls

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Suksdorfia violacea						2-FAC						-	Violet Mock Brookfoam
Symphoricarpos mollis			3- FACU	ž - 3						>			Creeping Snowberry
Symphoricarpos occidentalis	2 - 2	3-FAC		5 38				8 8					Western Snowberry
Symphyotrichum bahamense					2-0BL								Island American-Aster
Symphyotrichum ontarionis			2-FAC	***		5		5					Ontario American-Aster
Symphyotrichum squamatum				: 8		2-0BL	50						unknown
Symplocos tinctoria				*			v	2-FAC					Horsesugar
Tamarix gallica					4-FAC			50					French Tamarisk
Taraxacum ceratophorum				. «					3-FAC				Horned Dandelion
Tarenaya hassleriana			4- FACU			3-FAC		8	3- FACU				Pinkqueen
Taxus brevifolia						2- FACU							Pacific Yew
Tillandsia recurvata				<u> </u>			2-UPL			2-UPL			Small Ball-Moss
Tithonia diversifolia			3. FACU			4-FAC							Tree-Marigold
Tolmiea diplomenziesii	New		3-FAC	8				*		3. FACW		2	unknown
Toxicodendron diversilobum			4- FACU	*									Pacific Poison-Oak
Tradescantia virginiana				: 8		3-FAC	\$ 50	3				*	Virginia Spiderwort
Trematolobelia auriculata	New						-4- FACW						Lanai False Lobelia
Trematolobelia kaalae	New						4- FACW						Wai'anae Mountains False Lobelia
Trematolobelia rockii	New						4- FACW						Molokai False Lobelia
Tribulus cistoides				5 = 5	4-UPL								Jamaican Feverplant
Trichomanes membranaceum		4- FACW		5									Scale-Edge Bristle Fern
Tridens albescens	8.			*	3-FAC			3-FAC		\$		4	White Fluff Grass
Trifolium depauperatum		3-FAC		* *						3 8			Balloon Sack Clover
Triglochin scilloides				-		2-0BL				3			Flowering-Quillwort
Triodanis perfoliata							4- FACU						Clasping-Leaf Venus'- Looking-Glass
Triphasia trifolia			4- FACU			4- FACU							Limeberry

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

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Tropaeolum minus	New			** *					3- FACU			Bush-Nasturtium	ırtium
Tussilago farfara			2- FACU									Colt's-Foot	
Typha X provincialis	New		3-0BL	- 8		3-0BL		3-0BL		3-0BL		[domingen	[domingensis X latifolia]
Ulex europaeus		4-UPL	3-UPL		4-UPL		3-UPL		3- FACU			Common Gorse	orse
Ulmus glabra		4-UPL	3- FACU		4-UPL	3- FACU		3- FACU				Wych Elm	
Ulmus serotina				58-		3- FACU						September	Elm
Urochloa distachya				38 .	3-FACU	3-FAC						Tropical Liv	Tropical Liverseed Grass
Urochloa mutica				,						3- FACW		Para Liverseed Grass	eed Grass
Urochloa panicoides	\$			ž 3	2-FACU			9				Panic Liver	Panic Liverseed Grass
Urochioa plantaginea	. — 3)								3-FAC			Plantain Li	Plantain Liverseed Grass
Utricularia cornuta			2-0BL	- 3				8		2-0BL		Horned Bladderwort	dderwort
Utricularia foliosa	30				2-0BL					- 20		Leafy Bladderwort	derwort
Utricularia inflata	30		2-0BL	×				2-0BL				Swollen Bladderwort	adderwort
Utricularia ochroleuca				-		2-0BL	3	2-0BL		26		Dwarf Bladderwort	derwort
Utricularia striata	8)	506	2-0BL	**		2-0BL		332		278		Striped Bladderwort	dderwort
Vaccinium darrowii	8)	504	8	*	4-FAC	53		33		2.8		Darrow's Blueberry	ueberry
Vaccinium formosum			23	- 4					3- FACW			Southern Blueberry	lueberry
Vaccinium X marianum									3- FACW			[formosum pallidum]	X fuscatum X
Vachellia macracantha				- 33	4-FACU	20		2				Porknut	
Valeriana uliginosa					3-0BL			3-0BL				Mountain Valerian	'alerian
Valerianella chenopodiifolia	New	3-FAC	5	ž -	4-FAC	2.		4-FAC	3-FAC			Goose-Foo	Goose-Foot Cornsalad
Verbena incompta	New	3- FACW	3- FACU	g	3-FACW	4-FAC	4-FAC	4-FAC		3-FAC		Brazilian Vervain	ervain
Verbena runyonii				*		8	2			2- FACW		Rio Grande Vervain	Vervain
Verbena scabra								3- FACW				Sandpaper Vervain	Vervain
Veronica cusickii) - 2)					2-FAC						Cusick's Sp	Speedwell
Viburnum prunifolium										7 5		Smooth Bla	Blackhaw

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Vigna luteola									3- FACW			Wild Cow-Pea
Viola labradorica			3-FAC	3						6 6		Alpine Violet
Viola langloisii				3	2-FACW			8 8				Langlois' Violet
Viola pedatifida		4- FACU										Crow-Foot Violet
Viola X champlainensis	New				3-FAC				4- FACU			[affinis X septentrionalis]
Viola X dissita								2-FAC	2-FAC			[hirsutula X palmata]
Viola X greenmanii	New	3-FAC			4-FACU				3-FAC			[cucullata X palmata]
Viola X insessa	New			* =					3- FACW			[cucullata X nephrophylla]
Viola X mistura	New	3-FAC			4-FACU			3- FACU	3- FACU			[palmata X sagittata]
Viola X napae		2-FAC										[nephrophylla X sororia]
Viola X subaffinis	New								3- FACW			[affinis X nephrophylla]
Viola X viarum									2- FACU			[missouriensis or nephrophylla X pedatifida]
Washingtonia robusta		4-FAC				2	4-FAC					Washington Fan Palm
Wolffia globosa						2		2-0BL	2-0BL			Asian Watermeal
X Achnella caduca								2-UPL				[Achnatherum hymenoides X Nassella viridula]
X Leydeum piperi	New		3-FAC							3-FAC		[Hordeum jubatum X Leymus triticoides]
Xerophyllum tenax			3- FACU			3-FAC					3-FACU	Western Turkeybeard
Xyris chapmanii				3	3-0BL							Chapman's Yellow-Eyed- Grass
Xyris louisianica				*	3-0BL							Louisiana Yellow-Eyed- Grass
Youngia japonica								3- FACU	3- FACU			Oriental False Hawk's- Beard
Zeltnera beyrichii			2- FACU									Quinineweed
Zeltnera calycosa				*						2- FACW		Buckley's Mountain-Pink

Lichvar, Butterwick, Melvin, and Kirchner: National Wetland Plant List: 2014 update

Scientific Name	New?	AGCP	₩	OШ	EMP	G G	Ξ	MΣ	NCNE	QA MA	Α̈́	ഗ ட _	Common Name
Ziziphus mauritiana							4- FACU			3-UPL			Indian Jujube
Zostera marina	}				2-0BL							S	Seawrack